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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/506,407	02/17/2000	Masumi Senoo	10991381-1	7749

22879 7590 01/12/2005

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FORT COLLINS, CO 80527-2400

EXAMINER

EBRAHIMI DEHKORDY, SAEID

ART UNIT	PAPER NUMBER
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2626

DATE MAILED: 01/12/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/506,407

Applicant(s)

SENOO ET AL

Examiner

Saeid Ebrahimi-dehKordy

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 04 August 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

### **Response to Arguments**

1. Applicant's arguments filed 8/4/04 have been fully considered but they are not persuasive.

Applicant argues on page 7 lines 7-9 that the configuration setting define the manner in which the printer operates. However, these configuration settings do not disclose or suggest creating a printer menu structure as cited in claim 1.

Examiner disagrees and points out the claim 1 where it reads "creating a menu structure"

Examiner points out Boldt, column 3 lines 49-53 where each of the printers 8a-d is capable of IMPLEMENTING or in this case structuring particular features and has those features configured. Please also note Boldt column 6 lines 52-63 and column 7 lines 1-27 where as claim language says the menu is constructed from the one printer to another.

### ***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Boldt et al (U.S. Patent 6,349,304) in view of Hanson (U.S. patent 6,148,346)

Regarding claim 1 and 16 Boldt et al disclose: A method of configuring a printer, the method comprising: creating a printer menu structure (please note column 3 lines

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53-60) and installing the printer menu structure on the printer (please note column 6 lines 34-38) However Boldt et al does not quite teach: wherein the printer menu structure is installed on an erasable storage device in the printer, On the other hand Hanson teaches: wherein the printer menu structure is installed on an erasable storage device in the printer (please note column 8 lines 34-39).

Therefore it would have been obvious to a person of ordinary skill in art at the time of the invention to modify Boldt et al's invention according to the teaching of Hanson, where Hanson in the same field of endeavor teaches the way structured menu could be modified or changed in the printer's setting for purpose of making the user capability of rearranging the menu more robust.

Regarding claim 2 Hanson discloses: A method as recited in claim 1 wherein installing the printer menu structure replaces any menu structure previously installed on the printer (please note column 8 lines 29-44).

Regarding claim 3 and 17 Hanson discloses: A method as recited in claim 1 wherein installing the printer menu structure extends any menu structure previously installed on the printer (please note Fig.8e column 6 lines 45-53).

Regarding claim 4 and 18 Hanson discloses: A method as recited in claim 1 further comprising simulating operation of the printer menu structure prior to installing the printer menu structure on the printer (please note column 8 lines 16-23).

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Regarding claim 5 and 19 Hanson discloses: A method as recited in claim 1 wherein creating a printer menu structure includes creating a hierarchy of menu elements (please note column 3 lines 49-55).

Regarding claim 6 and 20 Hanson discloses: A method as recited in claim 5 wherein each menu element has an associated menu element type and an associated action (please note column 6 lines 63-66).

Regarding claim 7 Hanson discloses: A method as recited in claim 1 wherein creating a printer menu structure includes associating an icon with at least one menu element in the printer menu structure (please note column 5 lines lines 61-63).

Regarding claim 8 Hanson discloses: A method as recited in claim 1 wherein the method is performed by an end-user of the printer (please note column 6 lines 12-15).

Regarding claim 9 Hanson discloses: A method as recited in claim 1 wherein creating a printer menu structure includes determining the arrangement of a plurality of menu elements on a printer display panel (please note column 6 lines 10-18).

Regarding claim 10 Hanson discloses: A computer-readable memory containing a computer program that is executable by a processor to perform the method recited in claim 1 (please note column 9 lines 5-10).

Regarding claim 11 Boldt et al disclose: A printer comprising:  
a user interface coupled to the display panel to allow a user to select among the plurality of menu elements (please note Fig.8 column 8 lines 20-30) and a data communication interface coupled to the display panel to allow the printer to receive a printer menu structure from a remote device (please note column 6 lines 34-38).

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However Boldt et al do not disclose: a display panel to display a plurality of menu elements, On the other hand Hanson discloses: a display panel to display a plurality of menu elements (please note column 5 lines 12-22).

Therefore it would have been obvious to a person of ordinary skill in art at the time of the invention to modify Boldt et al's invention according to the teaching of Hanson, where Hanson in the same field of endeavor teaches the way structured menu could be modified or changed in the printer's setting for purpose of making the user capability of rearranging the menu more robust.

Regarding claim 12 Boldt et al disclose: An apparatus as recited in claim 11 wherein the data communication interface is a network interface (please note column 3 lines 16-23).

Regarding claim 13 Hanson discloses: An apparatus as recited in claim 11 wherein the printer is a laser printer (please note column 5 lines 12-21).

Regarding claim 14 Hanson discloses: An apparatus as recited in claim 11 wherein the user interface is a touch-sensitive screen positioned proximate the display panel (please note column 5 lines 44-54).

Regarding claim 15 Hanson et al discloses: An apparatus as recited in claim 11 further comprising a memory device coupled to the data communication interface to store a printer menu structure received from the remote device (please note column 8 lines 30-40).

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### **Conclusion**

2. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

### **Contact Information**

➤ Any inquiry concerning this communication or earlier communications from the examiner should be directed to *Saeid Ebrahimi-Dehkordy* whose telephone number is (703) 306-3487.

The examiner can normally be reached on Monday through Friday from 8:00 a.m. to 5:30 p.m. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kimberly Williams, can be reached at (703) 305-4863.

**Any response to this action should be mailed to:**

Assistant Commissioner for Patents  
Washington, D.C. 20231

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**Or faxed to:**

(703) 872-9306, or (703) 308-9052 (for **formal** communications; please mark

**"EXPEDITED PROCEDURE"**)

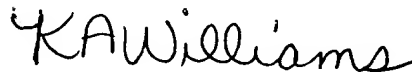
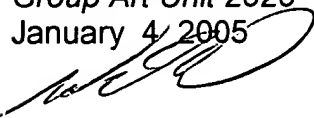
**Or:**

(703) 306-5406 (for **informal** or **draft** communications, please label "PROPOSED" or "DRAFT")

**Hand delivered responses** should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application should be directed to the Group Receptionist whose telephone number is (703) 305-4750.

Saeid Ebrahimi-Dehkordy  
Patent Examiner  
Group Art Unit 2626  
January 4, 2005



**KIMBERLY WILLIAMS  
SUPERVISORY PATENT EXAMINER**